Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-10 (Canceled)

11. (Currently Amended) An illumination system in a liquid crystal projector, comprising:

a light source including an arc lamp emitting beams of light by arc light emission and a parabolic reflector for making total reflection of the beams from the arc lamp to direct the beams in one direction;

a first fly eye lens including [[a]] an n x m matrix of lens cells which are for imaging the ~~light~~ beams incident from the light source on various points spaced apart from one another, wherein each lens cell of the first fly eye lens ~~includes~~ is a micro-lens, wherein the first fly eye lens has a first plurality of lens cells each with ~~a center point of the micro-lens shifted~~ an optical axis offset relative to a center point of the lens cell in order to ~~render a central part of a length~~ compensate for a shape of the arc lamp ~~to correspond to the center points of the micro-lens of the plurality of lens cells, respectively~~; and

a second fly eye lens refracting the beams from the first fly eye lens into parallel beams, wherein the first fly eye lens comprises a plurality of lens cells corresponding to a plurality of n x m lens cells of the second fly eye lens, respectively, and wherein n and m are integers greater than 2.

12. (Currently Amended) The illumination system as claimed in claim 11, wherein the first plurality of lens cells of the first fly eye lens have the ~~center points of the micro-lens~~ optical axis thereof arranged to be shifted towards a central axis of the first fly eye lens.

13. (Currently Amended) The illumination system as claimed in claim 11, wherein the first plurality of lens cells of the first fly eye lens are arranged in a width direction of the central axis of the first fly eye lens.

14. (Currently Amended) The illumination system as claimed in claim 11, wherein the first plurality of lens cells of the first fly eye lens are arranged in a height direction of the central axis of the first fly eye lens.

15. (Currently Amended) The illumination system as claimed in claim 11, wherein the first plurality of lens cells of the first fly eye lens are arranged in a radial direction of the central axis of the first fly eye lens.

16. (Currently Amended) An illumination system in a liquid crystal projector, comprising:

a first fly eye lens having a matrix of lens cells including first lens cells each with a first lens, and second lens cells each with a second lens disposed in the first fly eye lens, for receiving ~~beams of lights~~ light from a light source in correspondence to the first lenses of the first lens cells and the second lenses of the second lens cells, respectively; and

a second fly eye lens having a matrix of lens cells for refracting ~~the~~ beams received from the first fly eye lens into parallel beams, wherein ~~a center point~~ an optical axis of said each first lens is ~~located at a point a distance away~~ offset from a center ~~axis~~ of the physical dimensions of each corresponding first lens cell, and wherein ~~a center point~~ an optical axis of said each second lens is substantially co-located at a center ~~axis~~ of the physical dimensions of each corresponding second lens cell, and wherein the first fly eye lens comprise a plurality of lens cells corresponding to a plurality of lens cells of the second fly eye lens, respectively.

17. (New) The illumination system as claimed in claim 16, wherein the lens cells of the second fly eye lens each have an optical axis substantially located at a center of the physical dimension of the corresponding lens cell.

18. (New) The illumination system as claimed in claim 17, wherein the matrix of lens cells of the first fly eye lens is n rows by m columns where n and m are each a positive integer greater than 2, and wherein the matrix of lens cells of the second fly eye lens is n rows by m columns.

19. (New) The illumination system as claimed in claim 18, wherein the lens cells of the first fly eye lens are substantially equal in shape and size, and wherein the lens cells of the second fly eye lens are substantially equal in shape and size to each other and the lens cells of the first fly eye lens.

20. (New) The illumination system as claimed in claim 16, wherein the first plurality of lens cells of the first fly eye lens are arranged in a height direction of the central axis of the first fly eye lens, a width direction of the central axis of the first fly eye lens or a radial direction of the central axis of the first fly eye lens.

21. (New) The illumination system as claimed in claim 11, wherein the first fly eye lens comprises a second plurality of lens cells each with an optical axis substantially located at a center of the physical dimension of the corresponding lens cell.

22. (New) The illumination system as claimed in claim 21, wherein the lens cells of the second fly eye lens each have an optical axis substantially located at a center of the physical dimension of the corresponding lens cell.

23. (New) The illumination system as claimed in claim 22, wherein the lens cells of the first fly eye lens are substantially equal in shape and size, and wherein the lens cells of the second fly eye lens are substantially equal in shape and size to each other and the lens cells of the first fly eye lens.

24. (New) The illumination system as claimed in claim 21, wherein the first plurality of lens cells of the first fly eye lens are arranged in a height direction of the central axis of the first fly eye lens, a width direction of the central axis of the first fly eye lens or a radial direction of the central axis of the first fly eye lens.